

**Notice of Allowability**

Application No.

09/963,902

Examiner

Andrew C Flanders

Applicant(s)

HASHIMOTO ET AL.

Art Unit

2644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed 26 September 2001.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☒ The drawings filed on 26 September 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**DETAILED ACTION**

***Allowable Subject Matter***

Claim 1 – 19 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding Claim 1,

Edwards (U.S. Patent 6,108,584) discloses an input attribute determination section for determining an input attribute representing at least one of a type of an audio codec, a sampling frequency and a number of channels in an input signal (i.e. a decoder that detects the MPEG standard of the incoming stream from the data stream itself col. 5 lines 42 – 46. It was well known in the art at the time of the invention that the different MPEG standards inherently contain various different sampling frequencies and numbers of channels).

Edwards does not disclose an input signal processing section for processing an input signal, nor

Wherein the input signal processing section determines whether the input attribute has been changed based on a determination result provided by the input attribute determination section; and when a calculation remainder is generated in the input signal processing section by the change in the input attribute, the input signal processing section assigns at least a part of the calculation remainder to processing of the input signal.

Dal-Santo (U.S. Patent 6,782, 535) discloses an input processing section for processing the input signal (a coordinator Fig. 1 element 115);

wherein the input signal processing section determines whether the input attribute has been changed (i.e. a task is examined to determine what resource it requires);

and when a calculation remainder is generated in the input signal processing section by the change in the input attribute, the input signal processing section assigns at least a part of the calculation remainder to processing of the input signal (i.e. the required resources are examined to determine if they are available, if they are it is allocated to the task and this process is repeated indefinitely col. 2 lines 55 – 65).

Dal-Santo does not explicitly disclose determining whether the input attribute has been changed based on a determination result provided by the input attribute determination section. A combination of Edwards and Dal-Santo would allow for the determination of changes in input attributes but there is insufficient motivation for combining Dal-Santo and Edwards. The Dal-Santo does not explicitly express the processing jobs as audio processes and there would be no motivation nor would it have been obvious for one of ordinary skill in the art at the time of the invention to combine these references. As such, the claims are allowable over the prior art.

Claims 2 – 19 are allowable as being dependent upon an allowable independent claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew C Flanders whose telephone number is (571) 272-7516. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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